

M 6.8, VANUATU

Origin Time: Thu 2009-10-08 08:28:48 UTC

Location: 13.30°S 165.95°E Depth: 35 km

PAGER Version 3

Created: 1 hrs, 33 mins after earthquake

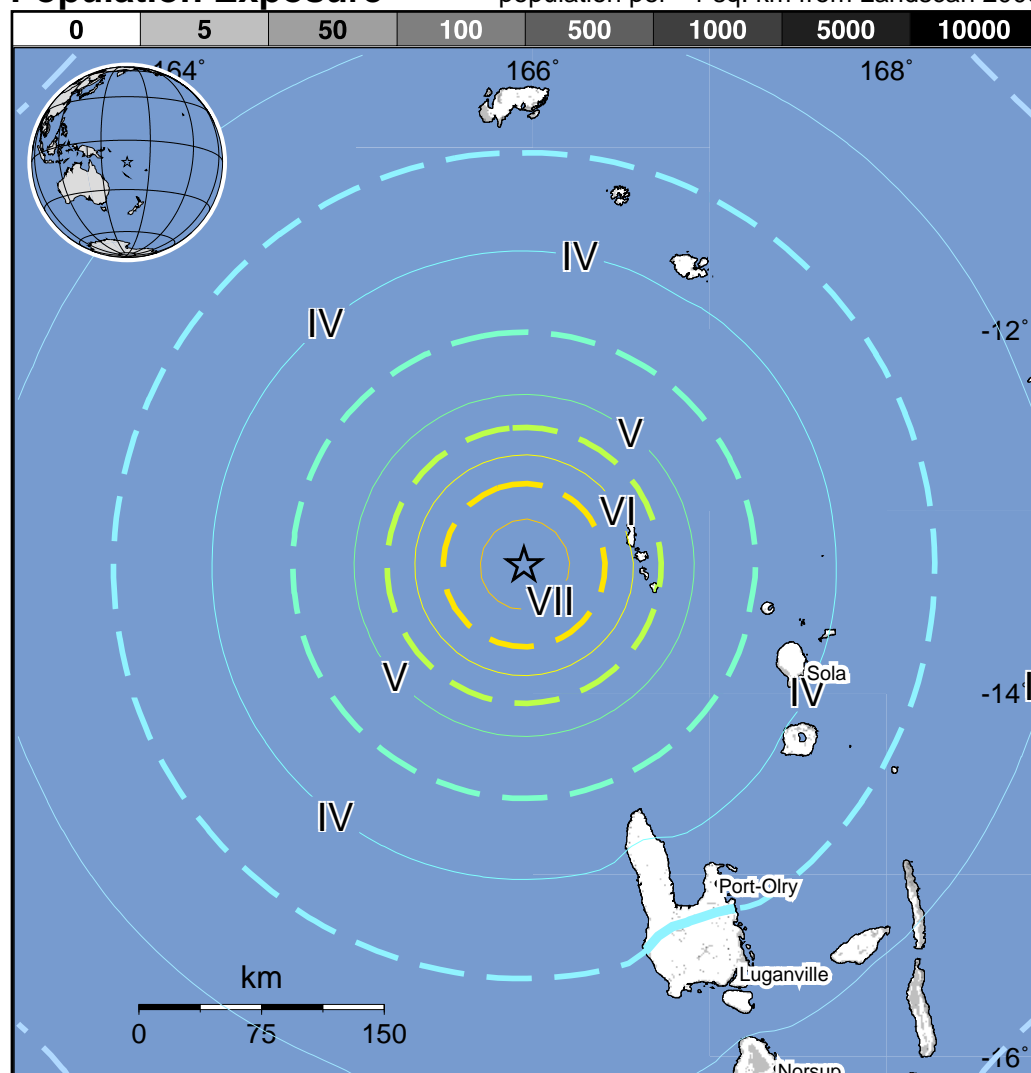
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- - *	84k*	23k	0	1k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per ~1 sq. km from Landscan 2006

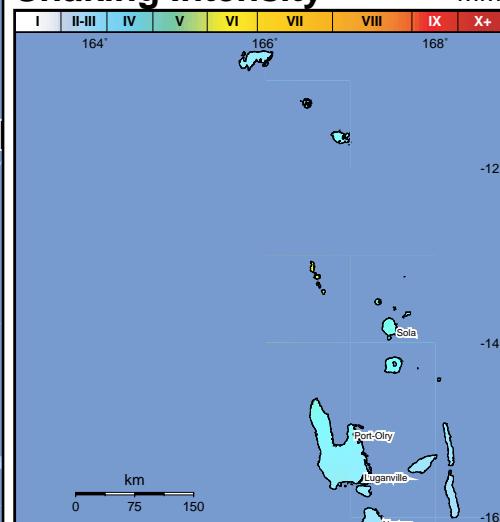


Selected City Exposure

MMI City	Population
IV Sola	1k
IV Port-Olry	1k
III Luganville	13k
III Norsup	2k

bold cities appear on map (k = x1000)

Shaking Intensity



Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though some resistant structures exist. On November 27, 2002 (UTC), a magnitude 5.8 earthquake occurred in the Vanuatu region 247 km southeast of the location of this earthquake, with estimated population exposures of 19,000 at intensity V and 70,000 at intensity IV, with no reported fatalities. Recent earthquakes in this area have caused landslides that may have contributed to losses.

This information was automatically generated and has not been reviewed by a seismologist.

<http://earthquake.usgs.gov/pager>

Event ID: us2009mmbf